

Application No. 09/842,346
Amendment dated August 19, 2004
Reply to Office Action of February 19, 2004

Attorney Docket No. 70550

Amendments To The Claims:

Listing of Claims:

1. (currently amended) A transmitter for transmitting security codes ~~a plurality of signals~~ at a plurality of modulations and frequencies comprising:

a plurality user manipulatable signal configuration ~~inputs~~ switches which are adjusted for use by an operator to define select signal configuration settings for transmitter signals;

a plurality of user manipulatable transmit initiation keys; ~~inputs~~;

a controller responsive to the signal configuration ~~input~~ switches during a learn mode for storing the ~~selected~~ signal configurations defined by the signal configuration switches in a memory locations in association with selected ones of the user manipulatable transmit initiation keys; ~~inputs~~;

apparatus responsive to user interaction with each user ~~input~~ transmit initiation key during an operate mode for retrieving the signal configuration stored in association ~~associated~~ therewith; and

transmitter circuitry for transmitting the retrieved ~~selected~~ signal configuration received from the controller at a predetermined frequency.

(Withdrawn)

~~2. (original) A transmitter according to claim 1, wherein the plurality of user inputs comprises:
a plurality of user inputs each associated with a stored signal configuration.~~

3. (Amended) A transmitter according to claim 1, wherein the signal configuration ~~input~~ switches further comprise:

a multi-position switch for defining ~~selecting~~ a type of transmitter that is to be emulated; and

a multi-position switch for defining ~~selecting~~ a code to be transmitted by the transmitter.

4. (Amended) A transmitter according to claim 1, wherein the transmit initiation keys ~~user inputs~~ comprise:

a first switch for identifying to the controller the location of a first signal configuration to be retrieved and transmitted; and

a second switch for identifying to the controller the location of a second signal configuration to be retrieved and transmitted.

5. (original) A transmitter according to claim 1, wherein the transmitter circuitry comprises:

a single transmitter circuit for selectively transmitting a signal at one of a plurality of different frequencies.

6. (original) A transmitter according to claim 5, wherein the single transmitter circuit further comprises a transmitter

circuit selectively operable at frequencies of 300 MHZ, 310 MHZ and 390 MHZ.

7. (Amended) A ~~universal~~ transmitter according to claim 1, wherein the transmitter circuitry comprises:

a first transmitter circuit for transmitting at a first predetermined frequency; and

a second transmitter circuit for transmitting at a second predetermined frequency.

8. (Amended) A method of programming a universal transmitter comprising a plurality of user manipulatable signal configuration switches, the method comprising:

setting the plurality of a signal configuration switches to a first set of ~~desired~~ positions defining corresponding to a first signal configuration;

storing the first signal configuration defined by the signal configuration switches into a first memory location;

setting the plurality of signal configuration input switches to a second set of ~~desired~~ positions defining corresponding to a second signal configuration;

storing the second signal configuration defined by the signal configuration switches into a second memory location;

associating one of a plurality of transmit switches user inputs with each stored signal configuration; and

detecting user interaction with receiving one of the plurality of transmit switches user inputs and transmitting the stored signal configuration associated therewith.

9. (Amended) A method of programming a transmitter comprising:

setting a signal configuration switch to a first set of ~~desired~~ positions defining ~~corresponding to~~ a first signal configuration;

selecting one of a plurality of transmit switches ~~desired user input~~ with which the first ~~selected~~ signal configuration is to be associated;

storing the first ~~selected~~ signal configuration into a first memory location;

setting the signal configuration switch input to a second set of ~~desired~~ positions defining ~~corresponding to~~ a second signal configuration;

selecting one of the plurality of transmit switches ~~a desired user input~~ with which the second ~~selected~~ signal configuration is to be associated; and

storing the second selected signal configuration into a second memory location.

10. (Amended) A method of programming a transmitter including a plurality of multi-position signal configuration switches comprising:

setting the multi-position switches to a first set of ~~desired~~ positions defining ~~corresponding to~~ a first signal configuration;

selecting one of a plurality of transmit switches ~~a desired user input~~ during a first learn mode operation with which the first ~~selected~~ signal configuration is to be associated;

storing the first signal configuration into a first memory location;

setting the multi-position switches to a second set of ~~desired~~ positions defining ~~corresponding to~~ a second signal configuration;

selecting one of a plurality of transmit switches ~~a~~
~~desired user input~~ during a second learn mode operation with which
the second ~~selected~~ signal configuration is to be associated; and
storing the second signal configuration into a second
memory location.

11. (Amended) A method according to claim 10, comprising:
depressing a predetermined transmit switch ~~user input~~
for a predetermined period of time in order to place the
transmitter into a learn mode.

12. (Amended) A method according to claim 10, comprising:
identifying from the ~~selected~~ multi-position switch
settings a type of transmitter to be emulated.

13. (Amended) A method according to claim 10, comprising:
identifying from the ~~selected~~ multi-position switch
settings a security code ~~format~~ to be transmitted.

14. (Amended) A method according to claim 10, comprising:
identifying from the ~~selected~~ multi-position switch
settings a modulation format at which a signal is to be
transmitted.

15. (Amended) A method according to claim 10, comprising:
identifying from the ~~selected~~ multi-position settings a
frequency at which a signal is to be transmitted.

16. (previously presented) A method of operating a code
learning apparatus having a plurality of signal configuration
switches, comprising steps of:

- setting a combination of the configuration switches to define a code signal configuration;
- activating a learn mode of the code learning apparatus;
- reading the identified code signal configuration from the configuration switches during the learn mode; and
- storing the code signal configuration read from the configuration switches in a predetermined memory location.

17. (previously presented) A method in accordance with claim 16, wherein the combination of the configuration switch settings comprises a security code.

18. (previously presented) A method in accordance with claim 16, wherein the code signal configuration identifies a security code and a code format in which the signal is to be transmitted.

19. (Amended) A method in accordance with claim 16, wherein a code learning apparatus comprises a plurality of transmit switches, ~~user input devices~~, the method further comprising steps of:

- identifying one of the transmit switches, ~~user input devices~~; and
- storing a code signal configuration in a memory location associated with the identified transmit switch ~~user input device~~.

20. (Amended) A method in accordance with claim 19, wherein the learning apparatus comprises at least one transmitter, and the method comprises:

- identifying one of the transmit switches ~~user input devices~~ during a transmit mode;

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- reading from the memory, the code signal configuration associated with the identified transmit switch ~~user input device~~;
and
- transmitting a signal in accordance with the code signal configuration read from the memory.

21. (Amended) A method in accordance with claim 20, wherein the at least one transmitter is an RF transmitter, and the code signal configuration includes a type of transmitter, an RF frequency and a modulation format in which a signal is to be transmitted.